

9th Class 2016

Chemistry

Group-I

Paper-I

Time: 15 Minutes

(Objective Type)

Max. Marks: 12

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- The mass of one molecule of H_2O is:
- (a) 18 amu ✓ (b) 18 gm
(c) 18 mg (d) 18 kg
- 2- Which one of the following pairs has the same mass:
- (a) 1 mole of CO and 1 mole of N_2 ✓
(b) 1 mole of CO and 1 mole of CO_2
(c) 1 mole of O_2 and 1 mole of N_2
(d) 1 mole of O_2 and 1 mole of CO_2
- 3- The p sub-shell has:
- (a) One orbital (b) Two orbital
(c) Three orbital ✓ (d) Four orbital
- 4- How many elements are present in 6th period:
- (a) 2 (b) 8
(c) 18 (d) 32 ✓
- 5- Which one is shortest period in periodic table:
- (a) First period ✓ (b) Second period
(c) Third period (d) Fourth period
- 6- Which one of the following is an electrons deficient molecule:
- (a) NH_3 (b) BF_3 ✓
(c) N_2 (d) O_2
- 7- Covalent Bond involves the:
- (a) Donation of electrons
(b) Acceptance of electrons
(c) Sharing of electrons ✓
(d) Repulsion force of electrons

- 3- Freezing point of water is:
(a) 0°C ✓ (b) 100°C
(c) 34.4°C (d) 4°C
- 9- Tyndall effect is shown by:
(a) Sugar solution (b) Paints
(c) Jelly ✓ (d) Chalk solution
- 10- Oxidation number of oxygen in OF_2 is:
(a) -1 (b) $+1$
(c) -2 (d) $+2$ ✓
- 11- Which one of the following is a weak electrolyte:
(a) H_2SO_4 (b) NaOH
(c) NaCl (d) CH_3COOH ✓
- 12- Which one of the following will not react with dilute HCl :
(a) Na (b) K
(c) Ca (d) C ✓